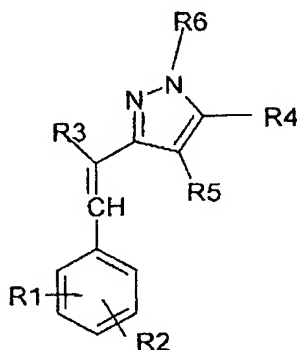


CLAIMS

1. Use of an effective amount of at least one styrylpyrazole compound of formula (I), or a salt thereof:



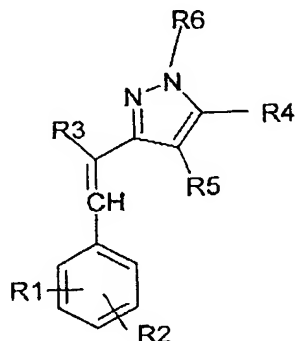
in which:

- 10 - R_1 , R_2 , R_4 and R_5 , which may be identical or different, are chosen from hydrogen, a halogen, groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$, $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$,
 15 $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$, saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused,
 20 the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen,

- a linear or branched C_1-C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_2 ;
- 5 - R_3 is chosen from CN , $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting hydrogen, a linear or branched C_1-C_{20} alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_3 ;
- 10 - R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 , $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or branched, saturated or unsaturated C_1-C_{20} alkyl radicals and saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different, denoting hydrogen, a linear or branched C_1-C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said
- 15 20 25

- rings being saturated or unsaturated and optionally substituted with at least one substituent A_5 ;
- A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from halogens, groups OR_{10} , SR_{10} , $NR_{10}R'_{10}$, $COOR_{10}$, CH_2COOR_{10} , $CONR_{10}R'_{10}$, CF_3 , CN , $NR_{10}COR'_{10}$, SO_2R_{10} , $SO_2NR_{10}R'_{10}$, $NR_{10}SO_2R'_{10}$, COR_{10} , CSR_{10} , $OCOR_{10}$, $COSR_{10}$, $SCOR_{10}$, $CSNR_{10}R'_{10}$, $NR_{10}CONR'_{10}R''_{10}$, $NR_{10}C(=NR'_{10})NR''_{10}R'''_{10}$, $NR_{10}CSNR'_{10}R''_{10}$ and $NR_{10}CSR'_{10}$, with R_{10} , R'_{10} , R''_{10} and R'''_{10} , which may be identical or different, denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated,
- as an agent for inducing and/or stimulating the growth of keratin fibres, especially human keratin fibres, and/or for reducing their loss and/or increasing their density.

2. Cosmetic use of at least one styrylpyrazole compound of formula (I), or a salt thereof:



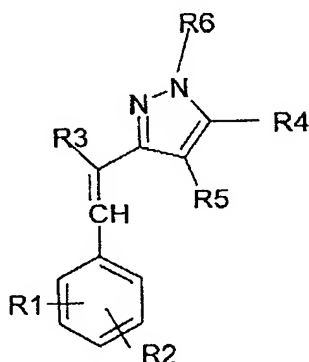
in which:

- R_1 , R_2 , R_4 and R_5 , which may be identical or different, are chosen from hydrogen, a halogen, groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$, $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$, $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$, saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_2 ;
- R_3 is chosen from CN , $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being

- saturated or unsaturated and optionally substituted with at least one substituent A_3 ;
- R_6 is chosen from hydrogen, groups COOR_9 , COR_9 , CSR_9 , COSR_9 , $\text{CONR}_9\text{R}'_9$, SO_2R_9 and $\text{SO}_2\text{NR}_9\text{R}'_9$, linear or
 5 branched, saturated or unsaturated $\text{C}_1\text{-C}_{20}$ alkyl radicals and saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being
 10 substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different, denoting hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or
 15 fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_5 ;
 - A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from halogens, groups OR_{10} , SR_{10} , $\text{NR}_{10}\text{R}'_{10}$, COOR_{10} , $\text{CH}_2\text{COOR}_{10}$,
 20 $\text{CONR}_{10}\text{R}'_{10}$, CF_3 , CN , $\text{NR}_{10}\text{COR}'_{10}$, SO_2R_{10} , $\text{SO}_2\text{NR}_{10}\text{R}'_{10}$, $\text{NR}_{10}\text{SO}_2\text{R}'_{10}$, COR_{10} , CSR_{10} , OCOR_{10} , COSR_{10} , SCOR_{10} , $\text{CSNR}_{10}\text{R}'_{10}$, $\text{NR}_{10}\text{CONR}'_{10}\text{R}''_{10}$, $\text{NR}_{10}\text{C}(=\text{NR}'_{10})\text{NR}''_{10}\text{R}'''_{10}$, $\text{NR}_{10}\text{CSNR}'_{10}\text{R}''_{10}$ and $\text{NR}_{10}\text{CSR}'_{10}$, with R_{10} , R'_{10} , R''_{10} and R'''_{10} , which may be identical or different, denoting
 25 hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another

ring, the alkyl radical or the said rings being saturated or unsaturated, in a cosmetic care and/or makeup composition for human keratin fibres, to induce and/or stimulate their growth, reduce their loss and/or increase their density.

3. Use of at least one styrylpyrazole compound of formula (I), or a salt thereof:



10

in which:

- R_1 , R_2 , R_4 and R_5 , which may be identical or different, are chosen from hydrogen, a halogen, groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$, $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$, $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$, saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused,

20

- the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_2 ;
- 10 - R_3 is chosen from CN , $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_3 ;
- 15 - R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 , $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or branched, saturated or unsaturated C_1 - C_{20} alkyl radicals and saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different, denoting hydrogen, a linear or branched C_1 - C_{20} alkyl
- 20
- 25

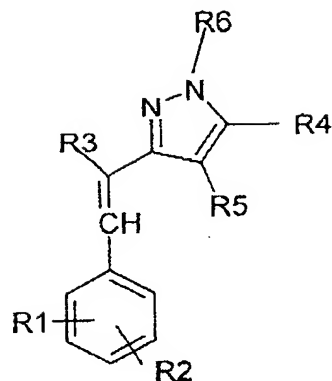
radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_5 ;

5 - A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from halogens, groups OR_{10} , SR_{10} , $NR_{10}R'_{10}$, $COOR_{10}$, CH_2COOR_{10} , $CONR_{10}R'_{10}$, CF_3 , CN , $NR_{10}COR'_{10}$, SO_2R_{10} , $SO_2NR_{10}R'_{10}$, $NR_{10}SO_2R'_{10}$, COR_{10} , CSR_{10} , $OCOR_{10}$, $COSR_{10}$, $SCOR_{10}$, $CSNR_{10}R'_{10}$, $NR_{10}CONR'_{10}R''_{10}$, $NR_{10}C(=NR'_{10})NR''_{10}R'''_{10}$, $NR_{10}CSNR'_{10}R''_{10}$ and $NR_{10}CSR'_{10}$, with R_{10} , R'_{10} , R''_{10} and R'''_{10} , which may be identical or different, denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated,

10 for the preparation of a care or treatment composition for human keratin fibres, which is intended to induce and/or stimulate the growth of the said fibres and/or reduce their loss and/or increase their density.

15 and/or stimulate the growth of the said fibres and/or reduce their loss and/or increase their density.

4. Use of at least one styrylpyrazole compound of formula (I), or a salt thereof:



in which:

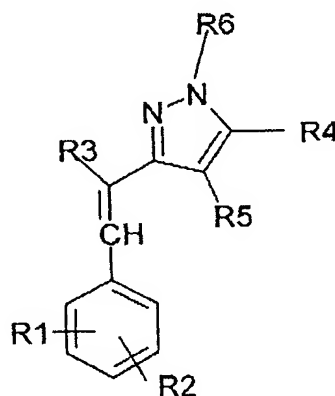
- R₁, R₂, R₄ and R₅, which may be identical or different, are chosen from hydrogen, a halogen, groups OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, NR₇COR'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, COR₇, CSR₇, OCOR₇, COSR₇, SCOR₇, CSNR₇R'₇, NR₇CONR'₇R''₇, NR₇C(=NR'₇)NR''₇R'''₇, NR₇CSR'₇ and NR₇CSNR'₇R''₇, saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A₁, with R₇, R'₇, R''₇ and R'''₇ independently denoting hydrogen, a linear or branched C₁-C₂₀ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or

unsaturated and optionally substituted with at least one substituent A_2 ;

- R_3 is chosen from CN, COOR_8 , $\text{CONR}_8\text{R}'_8$, COR_8 , SO_2R_8 and $\text{SO}_2\text{NR}_8\text{R}'_8$, with R_8 and R'_8 independently denoting
 5 hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted
 10 with at least one substituent A_3 ;
- R_6 is chosen from hydrogen, groups COOR_9 , COR_9 , CSR_9 , COSR_9 , $\text{CONR}_9\text{R}'_9$, SO_2R_9 and $\text{SO}_2\text{NR}_9\text{R}'_9$, linear or branched, saturated or unsaturated $\text{C}_1\text{-C}_{20}$ alkyl radicals and saturated or unsaturated rings of 4 to 7
 15 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different,
 20 denoting hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_5 ;
- A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from halogens, groups OR_{10} , SR_{10} , $\text{NR}_{10}\text{R}'_{10}$, COOR_{10} , $\text{CH}_2\text{COOR}_{10}$,

CONR₁₀R'₁₀, CF₃, CN, NR₁₀COR'₁₀, SO₂R₁₀, SO₂NR₁₀R'₁₀,
 NR₁₀SO₂R'₁₀, COR₁₀, CSR₁₀, OCOR₁₀, COSR₁₀, SCOR₁₀,
 CSNR₁₀R'₁₀, NR₁₀CONR'₁₀R''₁₀, NR₁₀C(=NR'₁₀)NR''₁₀R'''₁₀,
 NR₁₀CSNR'₁₀R''₁₀ and NR₁₀CSR'₁₀, with R₁₀, R'₁₀, R''₁₀ and
 5 R'''₁₀, which may be identical or different, denoting
 hydrogen, a linear or branched C₁-C₂₀ alkyl radical or
 a ring of 4 to 7 atoms, optionally containing at
 least one hetero atom, isolated or fused to another
 ring, the alkyl radical or the said rings being
 10 saturated or unsaturated,
 as an inhibitor of 15-hydroxyprostaglandin
 dehydrogenase, especially human 15-hydroxyprostaglandin
 dehydrogenase.

5. Use of at least one styrylpyrazole
 15 compound of formula (I), or a salt thereof:



in which:

20 - R₁, R₂, R₄ and R₅, which may be identical or
 different, are chosen from hydrogen, a halogen,

- groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN ,
 $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$,
 $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$,
 $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$,
- 5 saturated or unsaturated, linear or branched C_1 - C_{20}
 alkyl radicals, saturated or unsaturated rings of 4
 to 7 atoms, optionally containing at least one hetero
 atom, these rings possibly being separate or fused,
 the alkyl radicals and the rings also possibly being
- 10 substituted with at least one substituent A_1 , with
 R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen,
 a linear or branched C_1 - C_{20} alkyl radical or a ring of
 4 to 7 atoms, optionally containing at least one
 hetero atom, isolated or fused to another ring, the
- 15 alkyl radical or the said rings being saturated or
 unsaturated and optionally substituted with at least
 one substituent A_2 ;
- R_3 is chosen from CN , $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and
 $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting
- 20 hydrogen, a linear or branched C_1 - C_{20} alkyl radical or
 a ring of 4 to 7 atoms, isolated or fused to another
 ring and optionally containing at least one hetero
 atom, the alkyl radical or the said rings being
 saturated or unsaturated and optionally substituted
- 25 with at least one substituent A_3 ;
- R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 ,
 $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or

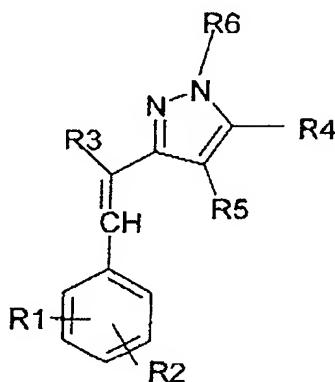
branched, saturated or unsaturated C₁-C₂₀ alkyl
 radicals and saturated or unsaturated rings of 4 to 7
 atoms, optionally containing at least one hetero
 atom, these rings possibly being separate or fused,
 5 the alkyl radicals and the rings also possibly being
 substituted with at least one substituent A₄, with R₉
 and R'₉, which may be identical or different,
 denoting hydrogen, a linear or branched C₁-C₂₀ alkyl
 radical or a ring of 4 to 7 atoms, optionally
 10 containing at least one hetero atom, isolated or
 fused to another ring, the alkyl radical or the said
 rings being saturated or unsaturated and optionally
 substituted with at least one substituent A₅;
 - A₁, A₂, A₃, A₄ and A₅ being chosen independently from
 15 halogens, groups OR₁₀, SR₁₀, NR₁₀R'₁₀, COOR₁₀, CH₂COOR₁₀,
 CONR₁₀R'₁₀, CF₃, CN, NR₁₀COR'₁₀, SO₂R₁₀, SO₂NR₁₀R'₁₀,
 NR₁₀SO₂R'₁₀, COR₁₀, CSR₁₀, OCOR₁₀, COSR₁₀, SCOR₁₀,
 CSNR₁₀R'₁₀, NR₁₀CONR'₁₀R''₁₀, NR₁₀C(=NR'₁₀)NR''₁₀R'''₁₀,
 NR₁₀CSNR'₁₀R''₁₀ and NR₁₀CSR'₁₀, with R₁₀, R'₁₀, R''₁₀ and
 20 R'''₁₀, which may be identical or different, denoting
 hydrogen, a linear or branched C₁-C₂₀ alkyl radical or
 a ring of 4 to 7 atoms, optionally containing at
 least one hetero atom, isolated or fused to another
 ring, the alkyl radical or the said rings being
 25 saturated or unsaturated,
 for the manufacture of a care or treatment composition
 for human keratin fibres, which is intended to treat

disorders associated with 15-hydroxyprostaglandin dehydrogenase in humans.

6. Use according to one of the preceding claims, characterized in that the keratin fibres are
5 head hair, the eyebrows, the eyelashes, beard hair, moustache hair and pubic hair.

7. Use of an effective amount of at least one styrylpyrazole compound of formula (I), or a salt thereof:

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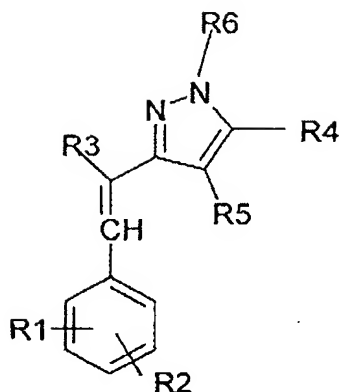
in which:

- R_1 , R_2 , R_4 and R_5 , which may be identical or
15 different, are chosen from hydrogen, a halogen, groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$, $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$, $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$,
20 saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals, saturated or unsaturated rings of 4

- to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with
- 5 R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or
- 10 unsaturated and optionally substituted with at least one substituent A_2 ;
- R_3 is chosen from CN, $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or
- 15 a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_3 ;
- 20 - R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 , $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or branched, saturated or unsaturated C_1 - C_{20} alkyl radicals and saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero
- 25 atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9

and R'₉, which may be identical or different,
denoting hydrogen, a linear or branched C₁-C₂₀ alkyl
radical or a ring of 4 to 7 atoms, optionally
containing at least one hetero atom, isolated or
5 fused to another ring, the alkyl radical or the said
rings being saturated or unsaturated and optionally
substituted with at least one substituent A₅;
- A₁, A₂, A₃, A₄ and A₅ being chosen independently from
halogens, groups OR₁₀, SR₁₀, NR₁₀R'₁₀, COOR₁₀, CH₂COOR₁₀,
10 CONR₁₀R'₁₀, CF₃, CN, NR₁₀COR'₁₀, SO₂R₁₀, SO₂NR₁₀R'₁₀,
NR₁₀SO₂R'₁₀, COR₁₀, CSR₁₀, OCOR₁₀, COSR₁₀, SCOR₁₀,
CSNR₁₀R'₁₀, NR₁₀CONR'₁₀R''₁₀, NR₁₀C(=NR'₁₀)NR''₁₀R'''₁₀,
NR₁₀CSNR'₁₀R''₁₀ and NR₁₀CSR'₁₀, with R₁₀, R'₁₀, R''₁₀ and
R'''₁₀, which may be identical or different, denoting
15 hydrogen, a linear or branched C₁-C₂₀ alkyl radical or
a ring of 4 to 7 atoms, optionally containing at
least one hetero atom, isolated or fused to another
ring, the alkyl radical or the said rings being
saturated or unsaturated,
20 in a human cosmetic haircare composition to reduce hair
loss and/or to increase its density and/or to treat
alopecia of natural origin.

8. Use of at least one styrylpyrazole
compound of formula (I), or a salt thereof:



in which:

- R₁, R₂, R₄ and R₅, which may be identical or
- 5 different, are chosen from hydrogen, a halogen, groups OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, NR₇COR'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, COR₇, CSR₇, OCOR₇, COSR₇, SCOR₇, CSNR₇R'₇, NR₇CONR'₇R''₇, NR₇C(=NR'₇)NR''₇R'''₇, NR₇CSR'₇ and NR₇CSNR'₇R''₇,
- 10 saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being
- 15 substituted with at least one substituent A₁, with R₇, R'₇, R''₇ and R'''₇ independently denoting hydrogen, a linear or branched C₁-C₂₀ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the
- 20 alkyl radical or the said rings being saturated or

- unsaturated and optionally substituted with at least one substituent A_2 ;
- R_3 is chosen from CN, COOR_8 , $\text{CONR}_8\text{R}'_8$, COR_8 , SO_2R_8 and $\text{SO}_2\text{NR}_8\text{R}'_8$, with R_8 and R'_8 independently denoting

5 hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted

10 with at least one substituent A_3 ;
 - R_6 is chosen from hydrogen, groups COOR_9 , COR_9 , CSR_9 , COSR_9 , $\text{CONR}_9\text{R}'_9$, SO_2R_9 and $\text{SO}_2\text{NR}_9\text{R}'_9$, linear or branched, saturated or unsaturated $\text{C}_1\text{-C}_{20}$ alkyl radicals and saturated or unsaturated rings of 4 to 7

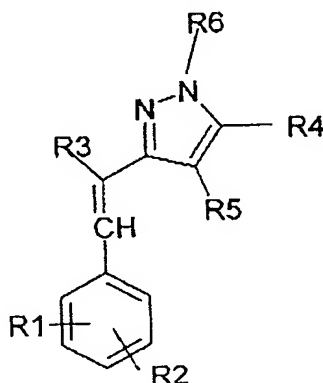
15 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different,

20 denoting hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally

25 substituted with at least one substituent A_5 ;
 - A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from halogens, groups OR_{10} , SR_{10} , $\text{NR}_{10}\text{R}'_{10}$, COOR_{10} , $\text{CH}_2\text{COOR}_{10}$,

$\text{CONR}_{10}\text{R}'_{10}$, CF_3 , CN , $\text{NR}_{10}\text{COR}'_{10}$, SO_2R_{10} , $\text{SO}_2\text{NR}_{10}\text{R}'_{10}$,
 $\text{NR}_{10}\text{SO}_2\text{R}'_{10}$, COR_{10} , CSR_{10} , OCOR_{10} , COSR_{10} , SCOR_{10} ,
 $\text{CSNR}_{10}\text{R}'_{10}$, $\text{NR}_{10}\text{CONR}'_{10}\text{R}''_{10}$, $\text{NR}_{10}\text{C}(=\text{NR}'_{10})\text{NR}''_{10}\text{R}'''_{10}$,
 $\text{NR}_{10}\text{CSNR}'_{10}\text{R}''_{10}$ and $\text{NR}_{10}\text{CSR}'_{10}$, with R_{10} , R'_{10} , R''_{10} and
 5 R'''_{10} , which may be identical or different, denoting
 hydrogen, a linear or branched $\text{C}_1\text{-C}_{20}$ alkyl radical or
 a ring of 4 to 7 atoms, optionally containing at
 least one hetero atom, isolated or fused to another
 ring, the alkyl radical or the said rings being
 10 saturated or unsaturated,
 for the preparation of a human hair composition, which
 is intended to induce and/or stimulate hair growth
 and/or reduce its loss and/or increase its density
 and/or treat androgenic alopecia and/or treat natural
 15 alopecia.

9. Use of at least one styrylpyrazole
 compound of formula (I), or a salt thereof:



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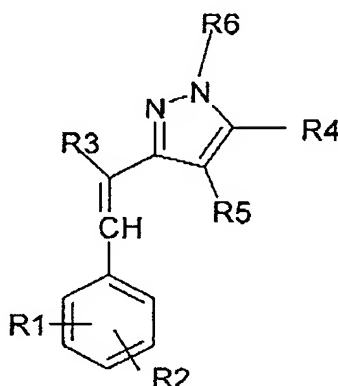
in which:

- R_1 , R_2 , R_4 and R_5 , which may be identical or different, are chosen from hydrogen, a halogen, groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$,
5 $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$, $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$, saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero
10 atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of
15 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_2 ;
- 20 - R_3 is chosen from CN , $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another ring and optionally containing at least one hetero
25 atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_3 ;

- R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 , $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or branched, saturated or unsaturated C_1 - C_{20} alkyl radicals and saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different, denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_5 ;
- A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from halogens, groups OR_{10} , SR_{10} , $NR_{10}R'_{10}$, $COOR_{10}$, CH_2COOR_{10} , $CONR_{10}R'_{10}$, CF_3 , CN , $NR_{10}COR'_{10}$, SO_2R_{10} , $SO_2NR_{10}R'_{10}$, $NR_{10}SO_2R'_{10}$, COR_{10} , CSR_{10} , $OCOR_{10}$, $COSR_{10}$, $SCOR_{10}$, $CSNR_{10}R'_{10}$, $NR_{10}CONR'_{10}R''_{10}$, $NR_{10}C(=NR'_{10})NR''_{10}R'''_{10}$, $NR_{10}CSNR'_{10}R''_{10}$ and $NR_{10}CSR'_{10}$, with R_{10} , R'_{10} , R''_{10} and R'''_{10} , which may be identical or different, denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated,

in a cosmetic care and/or makeup composition for human eyelashes, to induce and/or stimulate the growth of the eyelashes and/or to increase their density.

10. Use of at least one styrylpyrazole
5 compound of formula (I), or a salt thereof:



in which:

- 10 - R_1 , R_2 , R_4 and R_5 , which may be identical or different, are chosen from hydrogen, a halogen, groups OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$, $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$,
15 $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$, saturated or unsaturated, linear or branched C_1 - C_{20} alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused,
20 the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with

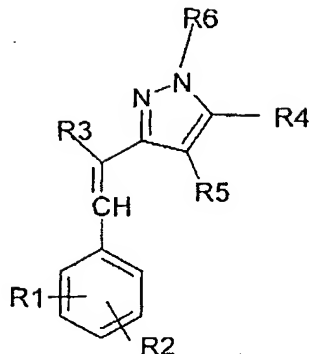
- R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen,
 a linear or branched C_1 - C_{20} alkyl radical or a ring of
 4 to 7 atoms, optionally containing at least one
 hetero atom, isolated or fused to another ring, the
 5 alkyl radical or the said rings being saturated or
 unsaturated and optionally substituted with at least
 one substituent A_2 ;
- R_3 is chosen from CN , $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and
 $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting
 10 hydrogen, a linear or branched C_1 - C_{20} alkyl radical or
 a ring of 4 to 7 atoms, isolated or fused to another
 ring and optionally containing at least one hetero
 atom, the alkyl radical or the said rings being
 saturated or unsaturated and optionally substituted
 15 with at least one substituent A_3 ;
- R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 ,
 $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or
 branched, saturated or unsaturated C_1 - C_{20} alkyl
 radicals and saturated or unsaturated rings of 4 to 7
 20 atoms, optionally containing at least one hetero
 atom, these rings possibly being separate or fused,
 the alkyl radicals and the rings also possibly being
 substituted with at least one substituent A_4 , with R_9
 and R'_9 , which may be identical or different,
 25 denoting hydrogen, a linear or branched C_1 - C_{20} alkyl
 radical or a ring of 4 to 7 atoms, optionally
 containing at least one hetero atom, isolated or

fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_5 ;

- A_1 , A_2 , A_3 , A_4 and A_5 being chosen independently from
- 5 halogens, groups OR_{10} , SR_{10} , $NR_{10}R'_{10}$, $COOR_{10}$, CH_2COOR_{10} , $CONR_{10}R'_{10}$, CF_3 , CN , $NR_{10}COR'_{10}$, SO_2R_{10} , $SO_2NR_{10}R'_{10}$, $NR_{10}SO_2R'_{10}$, COR_{10} , CSR_{10} , $OCOR_{10}$, $COSR_{10}$, $SCOR_{10}$, $CSNR_{10}R'_{10}$, $NR_{10}CONR'_{10}R''_{10}$, $NR_{10}C(=NR'_{10})NR''_{10}R'''_{10}$, $NR_{10}CSNR'_{10}R''_{10}$ and $NR_{10}CSR'_{10}$, with R_{10} , R'_{10} , R''_{10} and
- 10 R'''_{10} , which may be identical or different, denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being
- 15 saturated or unsaturated,

for the preparation of a care or treatment composition for human eyelashes, which is intended to induce and/or stimulate the growth of the eyelashes and/or increase their density.

- 20 11. Use according to one of the preceding claims, characterized in that the styrylpyrazole compound is of formula (II) below, or a salt thereof:



in which:

- R₁, R₂, R₄ and R₅ independently represent H, a
 5 halogen, OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, a
 saturated or unsaturated C₁-C₁₀ alkyl radical, a
 saturated or unsaturated ring, separate or fused to
 another ring, optionally containing at least one
 hetero atom, the alkyl radicals and the rings also
 10 possibly being substituted with at least one
 substituent A₁, with R₇ and R'₇ independently denoting
 H, a C₁-C₁₀ alkyl radical or a ring which is isolated
 or fused to another ring;
- R₃ represents CN, COOR₈, CONR₈R'₈ or COR₈, with R₈ and
 15 R'₈ independently denoting H, a C₁-C₁₀ alkyl radical
 or a ring which is isolated or fused to another ring
 and optionally containing at least one hetero atom,
 the said rings being saturated or unsaturated and
 optionally substituted with at least one substituent
 20 A₁;
- R₆ represents hydrogen, COOR₉, COR₉, a saturated or
 unsaturated C₁-C₁₀ alkyl radical or a saturated or

unsaturated ring, which is separate or fused to another ring, optionally containing at least one hetero atom, the alkyl radicals and the rings also possibly being substituted with at least one

5 substituent A_1 , with R_9 and R'_9 independently denoting H, a C_1 - C_{20} alkyl radical or a ring which is isolated or fused to another ring;

- the rings containing 5 or 6 atoms;
- the hetero atoms being O, N or S or a combination

10 thereof.

12. Use according to one of the preceding claims, characterized in that at least one from among R_1 and R_2 represents a hydrogen atom, a halogen atom, OR_7 or CF_3 .

15 13. Use according to one of the preceding claims, characterized in that R_1 and R_2 are located on the phenyl ring, in an ortho position to the branching of the pyrazole portion.

14. Use according to one of the preceding
20 claims, characterized in that R_1 and/or R_2 represent(s) a halogen atom, especially a chlorine atom.

15. Use according to one of the preceding claims, characterized in that R_3 represents CN.

16. Use according to the preceding claim,
25 characterized in that R_4 , R_5 and R_6 represent, independently of each other, NH_2 , H, CN, a C_1 - C_{10} alkyl radical optionally substituted with OR_{10} , or a saturated

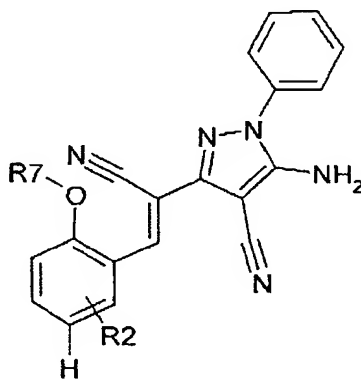
or unsaturated hydrocarbon-based ring containing 5 or 6 atoms.

17. Use according to one of the preceding claims, characterized in that R_6 represents $\text{CH}_2\text{CH}_2\text{OH}$ or a phenyl radical.

18. Use according to one of the preceding claims, characterized in that R_4 represents NH_2 or H.

19. Use according to one of the preceding claims, characterized in that R_5 represents CN or H.

20. Use according to one of the preceding claims, characterized in that the styrylpyrazole compound is of formula (III) below, or a salt thereof:



15

R_7 represents

- a) a linear or branched, saturated or unsaturated $\text{C}_1\text{-C}_{10}$ alkyl radical, optionally substituted with at least one substituent A_1 ; or
- 20 b) a saturated or unsaturated ring C^1 of 4 to 7 atoms, optionally containing at least one hetero atom

and/or being optionally substituted with at least one substituent A_1 and/or optionally fused to at least one saturated or unsaturated ring C^2 of 4 to 7 atoms, optionally containing at least one hetero atom;

R_2 represents

- OR_7 , SR_7 , $NR_7R'_7$, $COOR_7$, $CONR_7R'_7$, CF_3 , CN , $NR_7COR'_7$, SO_2R_7 , $SO_2NR_7R'_7$, $NR_7SO_2R'_7$, COR_7 , CSR_7 , $OCOR_7$, $COSR_7$, $SCOR_7$, $CSNR_7R'_7$, $NR_7CONR'_7R''_7$, $NR_7C(=NR'_7)NR''_7R'''_7$, $NR_7CSR'_7$ and $NR_7CSNR'_7R''_7$, a saturated or unsaturated C_1 - C_{10} alkyl radical, a saturated or unsaturated ring C^3 , which is separate or fused to another ring C^4 , optionally containing at least one hetero atom, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 in which R_7 and R'_7 , which may be identical or different, denote:
 - a hydrogen atom or a linear or branched, saturated or unsaturated C_1 - C_{10} alkyl radical,
 - a C^2 aromatic ring optionally including at least one hetero atom, optionally substituted with at least one substituent A_2 ;

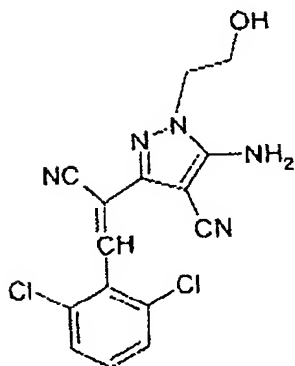
in which the hetero atoms are chosen from N, O and S and a combination thereof.

21. Use according to one of the preceding claims, characterized in that the salt of the compound of formula (I) is a salt chosen from the sodium and

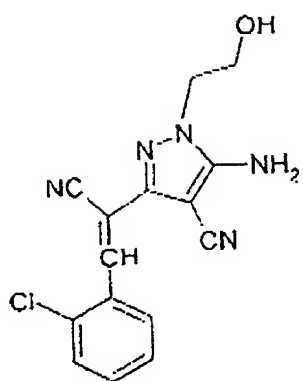
- potassium salts, the zinc (Zn^{2+}), calcium (Ca^{2+}), copper (Cu^{2+}), iron (Fe^{2+}), strontium (Sr^{2+}), magnesium (Mg^{2+}), ammonium and manganese (Mn^{2+}) salts, the triethanolamine, monoethanolamine, diethanolamine,
- 5 hexadecylamine, N,N,N',N'-tetrakis(2-hydroxypropyl)ethylenediamine and tris(hydroxymethyl)aminomethane salts, and the hydroxides, carbonates, sulphates, phosphates, halides and nitrates.
- 10 22. Use according to one of the preceding claims, characterized in that the compound of formula (I) is chosen from:

Compound 1

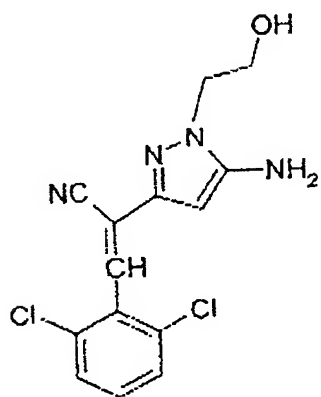
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Compound 2

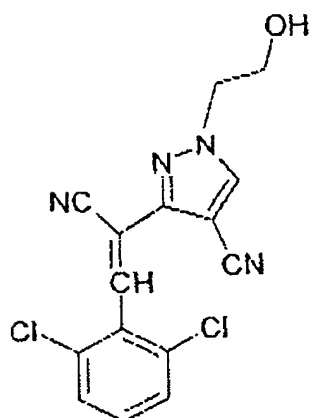


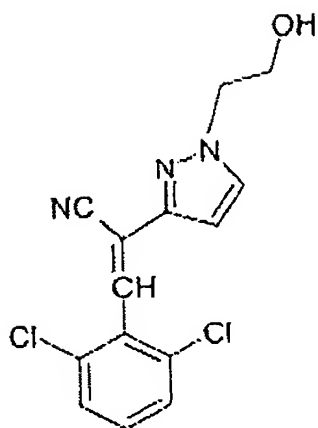
Compound 3



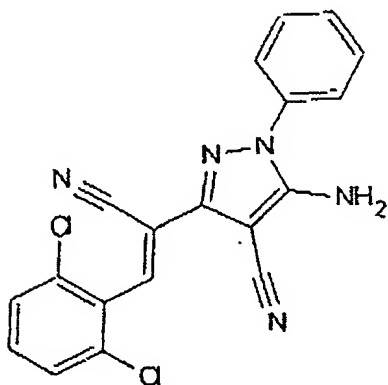
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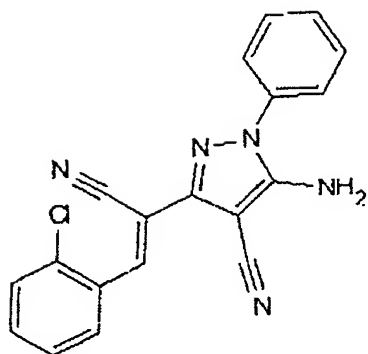
Compound 4



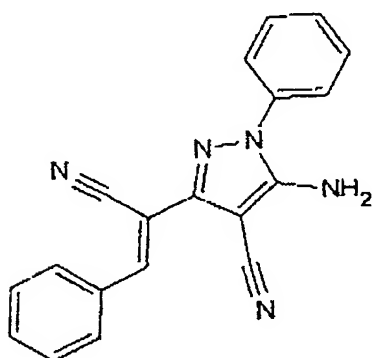
Compound 5

5

Compound 610 Compound 7

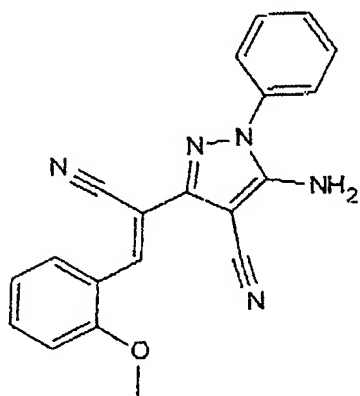


Compound 8

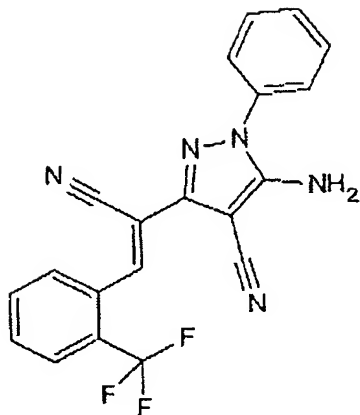
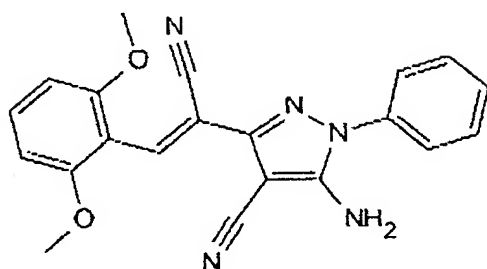


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Compound 9



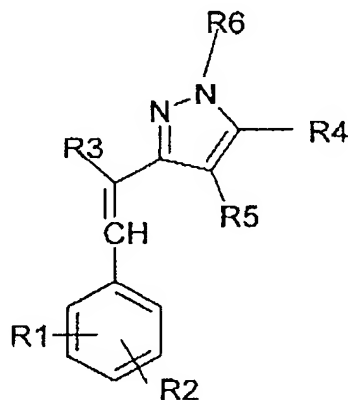
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Compound 105 Compound 11

23. Use according to one of the preceding
 10 claims, characterized in that the compound of formula
 (I) or a mixture of compounds of formula (I) is used at
 a concentration ranging from $10^{-3}\%$ to 10% and preferably
 from $10^{-2}\%$ to 2% relative to the total weight of the
 composition.

24. Use according to one of Claims 2, 3 and 5 to 23, characterized in that the composition is a composition for topical application.

25. Haircare or makeup composition for 5 keratin fibres, containing a physiologically acceptable medium and an effective amount of at least one styrylpyrazole compound of formula (I), or a salt thereof:



10

in which:

- R₁, R₂, R₄ and R₅, which may be identical or different, are chosen from hydrogen, a halogen, groups OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, NR₇COR'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, COR₇, CSR₇, OCOR₇, COSR₇, SCOR₇, CSNR₇R'₇, NR₇CONR'₇R''₇, NR₇C(=NR'₇)NR''₇R'''₇, NR₇CSR'₇ and NR₇CSNR'₇R''₇, saturated or unsaturated, linear or branched C₁-C₂₀ alkyl radicals, saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero

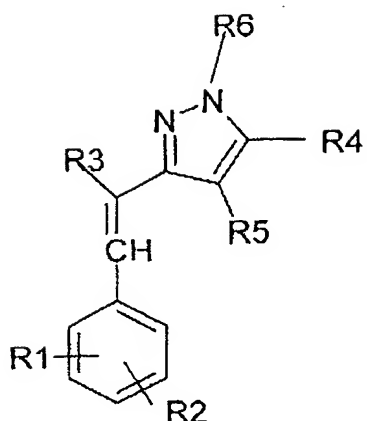
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- atom, these rings possibly being separate or fused, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with R_7 , R'_7 , R''_7 and R'''_7 independently denoting hydrogen,
- 5 a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least
- 10 one substituent A_2 ;
- R_3 is chosen from CN, $COOR_8$, $CONR_8R'_8$, COR_8 , SO_2R_8 and $SO_2NR_8R'_8$, with R_8 and R'_8 independently denoting hydrogen, a linear or branched C_1 - C_{20} alkyl radical or a ring of 4 to 7 atoms, isolated or fused to another
- 15 ring and optionally containing at least one hetero atom, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A_3 ;
- R_6 is chosen from hydrogen, groups $COOR_9$, COR_9 , CSR_9 , $COSR_9$, $CONR_9R'_9$, SO_2R_9 and $SO_2NR_9R'_9$, linear or
- 20 branched, saturated or unsaturated C_1 - C_{20} alkyl radicals and saturated or unsaturated rings of 4 to 7 atoms, optionally containing at least one hetero atom, these rings possibly being separate or fused,
- 25 the alkyl radicals and the rings also possibly being substituted with at least one substituent A_4 , with R_9 and R'_9 , which may be identical or different,

denoting hydrogen, a linear or branched C₁-C₂₀ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated and optionally substituted with at least one substituent A₅;

- A₁, A₂, A₃, A₄ and A₅ being chosen independently from halogens, groups OR₁₀, SR₁₀, NR₁₀R'₁₀, COOR₁₀, CH₂COOR₁₀, CONR₁₀R'₁₀, CF₃, CN, NR₁₀COR'₁₀, SO₂R₁₀, SO₂NR₁₀R'₁₀, NR₁₀SO₂R'₁₀, COR₁₀, CSR₁₀, OCOR₁₀, COSR₁₀, SCOR₁₀, CSNR₁₀R'₁₀, NR₁₀CONR'₁₀R''₁₀, NR₁₀C(=NR'₁₀)NR''₁₀R'''₁₀, NR₁₀CSNR'₁₀R''₁₀ and NR₁₀CSR'₁₀, with R₁₀, R'₁₀, R''₁₀ and R'''₁₀, which may be identical or different, denoting hydrogen, a linear or branched C₁-C₂₀ alkyl radical or a ring of 4 to 7 atoms, optionally containing at least one hetero atom, isolated or fused to another ring, the alkyl radical or the said rings being saturated or unsaturated.

26. Composition according to Claim 25, characterized in that the styrylpyrazole compound is of formula (II) below, or a salt thereof:



in which:

- R₁, R₂, R₄ and R₅ independently represent H, a
 5 halogen, OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, a
 saturated or unsaturated C₁-C₁₀ alkyl radical, a
 saturated or unsaturated ring, separate or fused to
 another ring, optionally containing at least one
 hetero atom, the alkyl radicals and the rings also
 10 possibly being substituted with at least one
 substituent A₁, with R₇ and R'₇ independently denoting
 H, a C₁-C₁₀ alkyl radical or a ring which is isolated
 or fused to another ring;
- R₃ represents CN, COOR₈, CONR₈R'₈ or COR₈, with R₈ and
 15 R'₈ independently denoting H, a C₁-C₁₀ alkyl radical
 or a ring which is isolated or fused to another ring
 and optionally containing at least one hetero atom,
 the said rings being saturated or unsaturated and
 optionally substituted with at least one substituent
 20 A₁;

- R_6 represents hydrogen, $COOR_9$, COR_9 , a saturated or unsaturated C_1-C_{10} alkyl radical or a saturated or unsaturated ring, which is separate or fused to another ring, optionally containing at least one hetero atom, the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 , with R_9 and R'_9 independently denoting H, a C_1-C_{20} alkyl radical or a ring which is isolated or fused to another ring;
- 10 - the rings containing 5 or 6 atoms;
- the hetero atoms being O, N or S or a combination thereof.

27. Composition according to Claim 25 or 26, characterized in that at least one from among R_1 and R_2 represents a hydrogen atom, a halogen atom, OR_7 or CF_3 .

28. Composition according to one of Claims 25 to 27, characterized in that R_1 and R_2 are located on the phenyl ring, in an ortho position to the branching of the pyrazole portion.

29. Composition according to one of Claims 25 to 28, characterized in that R_1 and/or R_2 represent(s) a halogen atom, especially a chlorine atom.

30. Composition according to one of Claims 25 to 29, characterized in that R_3 represents CN.

31. Composition according to one of Claims 25 to 30, characterized in that R_4 , R_5 and R_6

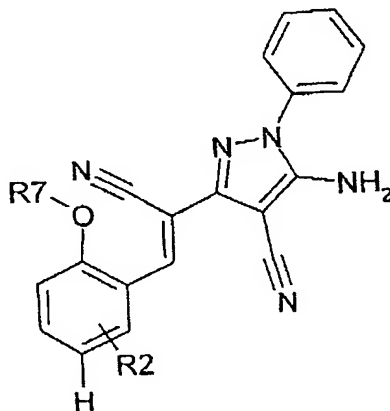
represent, independently of each other, NH_2 , H, CN, a $\text{C}_1\text{-C}_{10}$ alkyl radical optionally substituted with OR_{10} , or a saturated or unsaturated hydrocarbon-based ring containing 5 or 6 atoms.

5 32. Composition according to one of Claims 25 to 31, characterized in that R_6 represents $\text{CH}_2\text{CH}_2\text{OH}$ or a phenyl radical.

 33. Composition according to one of Claims 25 to 32, characterized in that R_4 represents NH_2
10 or H.

 34. Composition according to one of Claims 25 to 33, characterized in that R_5 represents CN or H.

 35. Composition according to one of
15 Claims 25 to 34, characterized in that the styrylpyrazole compound is of formula (III) below, or a salt thereof:



20

R_7 represents

- a) a linear or branched, saturated or unsaturated C₁-C₁₀ alkyl radical, optionally substituted with at least one substituent A₁; or
- b) a saturated or unsaturated ring C¹ of 4 to 7 atoms, optionally containing at least one hetero atom and/or being optionally substituted with at least one substituent A₁ and/or optionally fused to at least one saturated or unsaturated ring C² of 4 to 7 atoms, optionally containing at least one hetero atom;

R₂ represents

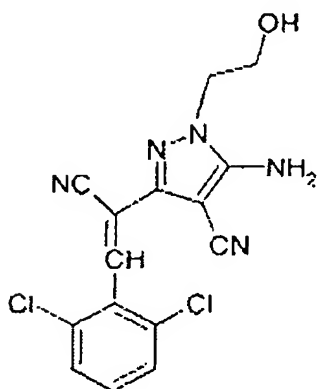
- OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, NR₇COR'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, COR₇, CSR₇, OCOR₇, COSR₇, SCOR₇, CSNR₇R'₇, NR₇CONR'₇R''₇, NR₇C(=NR'₇)NR''₇R'''₇, NR₇CSR'₇ and NR₇CSNR'₇R''₇, a saturated or unsaturated C₁-C₁₀ alkyl radical, a saturated or unsaturated ring C³, which is separate or fused to another ring C⁴, optionally containing at least one hetero atom, the alkyl radicals and the rings also possibly being substituted with at least one substituent A₁ in which R₇ and R'₇, which may be identical or different, denote:
 - a hydrogen atom or a linear or branched, saturated or unsaturated C₁-C₁₀ alkyl radical,
 - a C² aromatic ring optionally including at least one hetero atom, optionally substituted with at least one substituent A₂; and

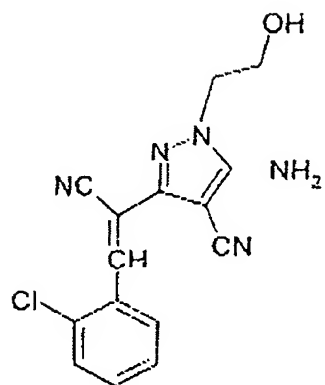
in which the hetero atoms are chosen from N, O and S and a combination thereof.

36. Composition according to one of Claims 25 to 35, characterized in that the salt of the compound of formula (I) is a salt chosen from the sodium and potassium salts, the zinc (Zn^{2+}), calcium (Ca^{2+}), copper (Cu^{2+}), iron (Fe^{2+}), strontium (Sr^{2+}), magnesium (Mg^{2+}), ammonium and manganese (Mn^{2+}) salts, the triethanolamine, monoethanolamine, diethanolamine, hexadecylamine, N,N,N',N'-tetrakis(2-hydroxypropyl)ethylenediamine and tris(hydroxymethyl)aminomethane salts, and the hydroxides, carbonates, sulphates, phosphates, halides and nitrates.

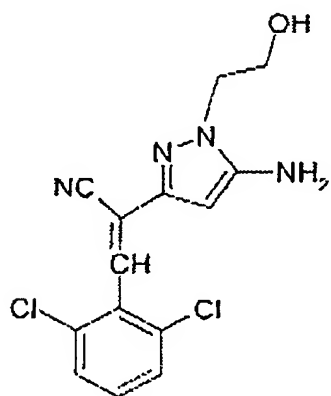
37. Composition according to one of Claims 25 to 36, characterized in that the compound of formula (I) is chosen from:

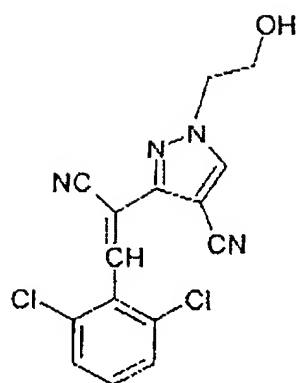
Compound 1



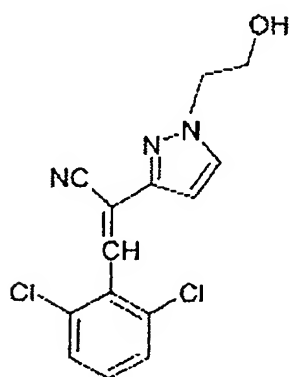
Compound 2

5

Compound 310 Compound 4

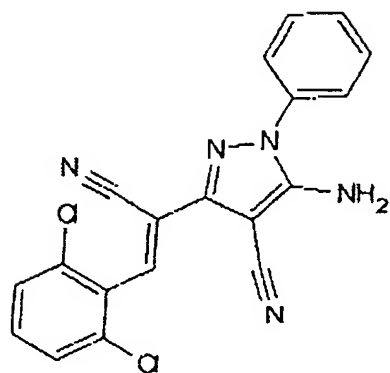


Compound 5

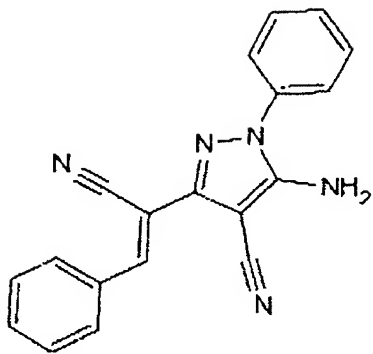
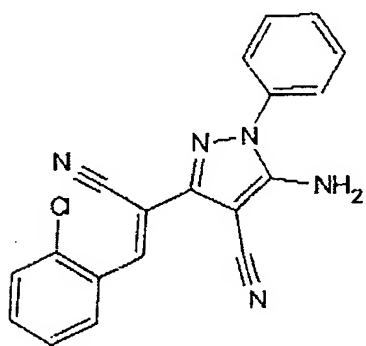


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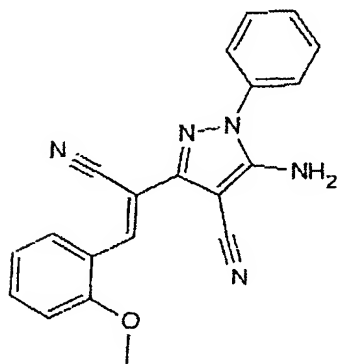
Compound 6

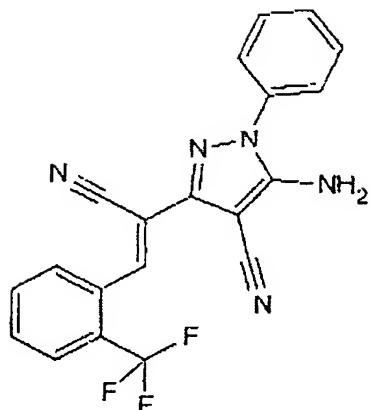


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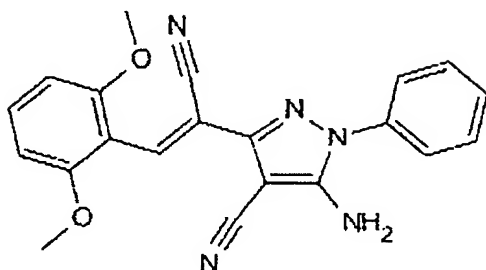
Compound 75 Compound 8Compound 9

10



Compound 10

5

Compound 11

10 38. Composition according to one of
 Claims 25 to 37, characterized in that the compound of
 formula (I) or a mixture of compounds of formula (I) is
 used at a concentration ranging from $10^{-3}\%$ to 10% and
 preferably from $10^{-2}\%$ to 2% relative to the total weight
 15 of the composition.

39. Composition according to one of Claims 25 to 38, characterized in that it is in the form of a hair cream, a hair lotion, a shampoo, a conditioner or a mascara for the hair or the eyelashes.

5 40. Composition according to one of Claims 25 to 39, characterized in that it is in the form of an aqueous, alcoholic or aqueous-alcoholic solution or suspension.

 41. Composition according to one of
10 Claims 25 to 40, characterized in that it contains other ingredients chosen from solvents, aqueous-phase or oily-phase thickeners or gelling agents, dyestuffs that are soluble in the medium of the composition, fillers, pigments, antioxidants, preserving agents,
15 fragrances, electrolytes, neutralizers, film-forming polymers, UV-blockers and cosmetic and pharmaceutical active agents, and mixtures thereof.

 42. Composition according to one of Claims 25 to 41, characterized in that it also contains
20 another active agent chosen from proteins, protein hydrolysates, amino acids, polyols, urea, allantoin, sugars and sugar derivatives, plant extracts, hydroxy acids, retinol derivatives, tocopherol derivatives, essential fatty acids, ceramides, essential oils,
25 salicylic acid and its derivatives, for instance 5-n-octanoyl salicylic acid, hydroxy acid esters and phospholipids.

43. Composition according to one of Claims 25 to 42, characterized in that it contains at least one additional active compound that promotes the regrowth and/or limits the loss of keratin fibres.

5 44. Composition according to one of Claims 25 to 43, characterized in that it contains at least one additional active compound that promotes the regrowth and/or limits the loss of keratin fibres, chosen from aminexil, 6-O-[(9Z,12Z)octadeca-
10 9,12-dienoyl]hexapyranose, lipoxygenase inhibitors, bradykinin inhibitors, prostaglandins and derivatives thereof, prostaglandin receptor agonists or antagonists, non-prostanoic prostaglandin analogues, vasodilators, antiandrogens, cyclosporins and analogues
15 thereof, antimicrobial agents, anti-inflammatory agents, retinoids, benzalkonium chloride, benzethonium chloride, phenol, oestradiol, chlorpheniramine maleate, chlorophylline derivatives, cholesterol, cysteine, methionine, menthol, peppermint oil, calcium
20 pantothenate, panthenol, resorcinol, protein kinase C activators, glycosidase inhibitors, glycosaminoglycanase inhibitors, pyroglutamic acid esters, hexosaccharidic or acylhexosaccharidic acids, aryl-substituted ethylenes, N-acyl amino acids,
25 flavonoids, ascomycin derivatives and analogues, histamine antagonists, saponins, proteoglycanase inhibitors, oestrogen agonists and antagonists,

pseudoterines, cytokines and growth factor promoters, IL-1 or IL-6 inhibitors, IL-10 promoters, TNF inhibitors, benzophenones, hydantoin, octopirox, retinoic acid, antipruriginous agents, antiparasitic agents, antifungal agents, nicotinic acid esters, calcium antagonists, hormones, triterpenes, antiandrogens, steroidal or non-steroidal 5- α -reductase inhibitors, potassium-channel agonists and FP receptor agonists, and mixtures thereof.

10 45. Composition according to Claim 44, characterized in that the additional compound is chosen from aminexil, FP receptor agonists and vasodilators.

 46. Care or makeup composition for keratin fibres, comprising, in a physiologically acceptable medium, in particular a cosmetic medium, at least one compound of formula (I), or a salt thereof, and at least one additional active compound for promoting the regrowth of human keratin fibres and/or for limiting their loss, chosen from aminexil, FP receptor agonists and vasodilators.

15 20

 47. Composition according to one of Claims 43 to 46, characterized in that the additional active compound is chosen from aminexil, minoxidil, latanoprost, butaprost and travoprost.

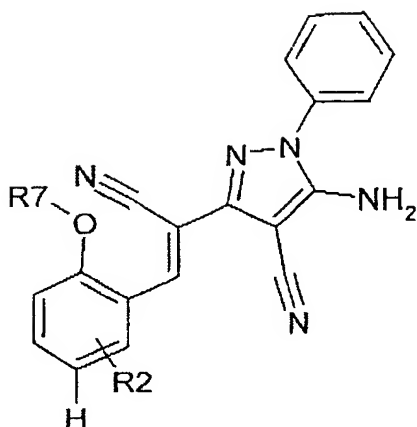
25 48. Cosmetic process for treating keratin fibres and/or the skin from which the said fibres emerge, characterized in that it consists in applying

to the fibres and/or the skin a cosmetic composition as defined in any of Claims 25 to 47, leaving this composition in contact with the fibres and/or the skin, and optionally rinsing it out.

5 49. Cosmetic care and/or makeup process for human eyelashes, to improve their condition and/or appearance, characterized in that it consists in applying to the eyelashes and/or the eyelids a mascara composition comprising at least one compound of formula
10 (I) or a salt thereof, and leaving this composition in contact with the eyelashes and/or the eyelids.

 50. Cosmetic care process for human hair and/or the scalp, to improve their condition and/or appearance, characterized in that it consists in
15 applying to the hair and/or the scalp a cosmetic composition as defined in any one of Claims 25 to 47, leaving the composition in contact with the hair and/or the scalp, and optionally rinsing it out.

 51. Styrylpyrazole compound of formula (III)
20 below, or a salt thereof:



R₇ represents

- a) a linear or branched, saturated or unsaturated
5 C₁-C₁₀ alkyl radical, optionally substituted with at least one substituent A₁; or
- b) a saturated or unsaturated ring C¹ of 4 to 7 atoms, optionally containing at least one hetero atom and/or being optionally substituted with at least
10 one substituent A₁ and/or optionally fused to at least one saturated or unsaturated ring C² of 4 to 7 atoms, optionally containing at least one hetero atom;

R₂ represents

- 15 • OR₇, SR₇, NR₇R'₇, COOR₇, CONR₇R'₇, CF₃, CN, NR₇COR'₇, SO₂R₇, SO₂NR₇R'₇, NR₇SO₂R'₇, COR₇, CSR₇, OCOR₇, COSR₇, SCOR₇, CSNR₇R'₇, NR₇CONR'₇R''₇, NR₇C(=NR'₇)NR''₇R'''₇, NR₇CSR'₇ and NR₇CSNR'₇R''₇, a saturated or unsaturated
20 ring C³, which is separate or fused to another ring C⁴, optionally containing at least one hetero atom,

the alkyl radicals and the rings also possibly being substituted with at least one substituent A_1 in which R_7 and R'_7 , which may be identical or different, denote:

- 5 • a hydrogen atom or a linear or branched, saturated or unsaturated C_1 - C_{10} alkyl radical,
- a C^2 aromatic ring optionally including at least one hetero atom, optionally substituted with at least one substituent A_2 ; and
- 10 in which the hetero atoms are chosen from N, O and S and a combination thereof.

52. Compound according to Claim 51, characterized in that R_2 represents OR_7 and R_7 represents a saturated C_1 - C_{10} alkyl radical.